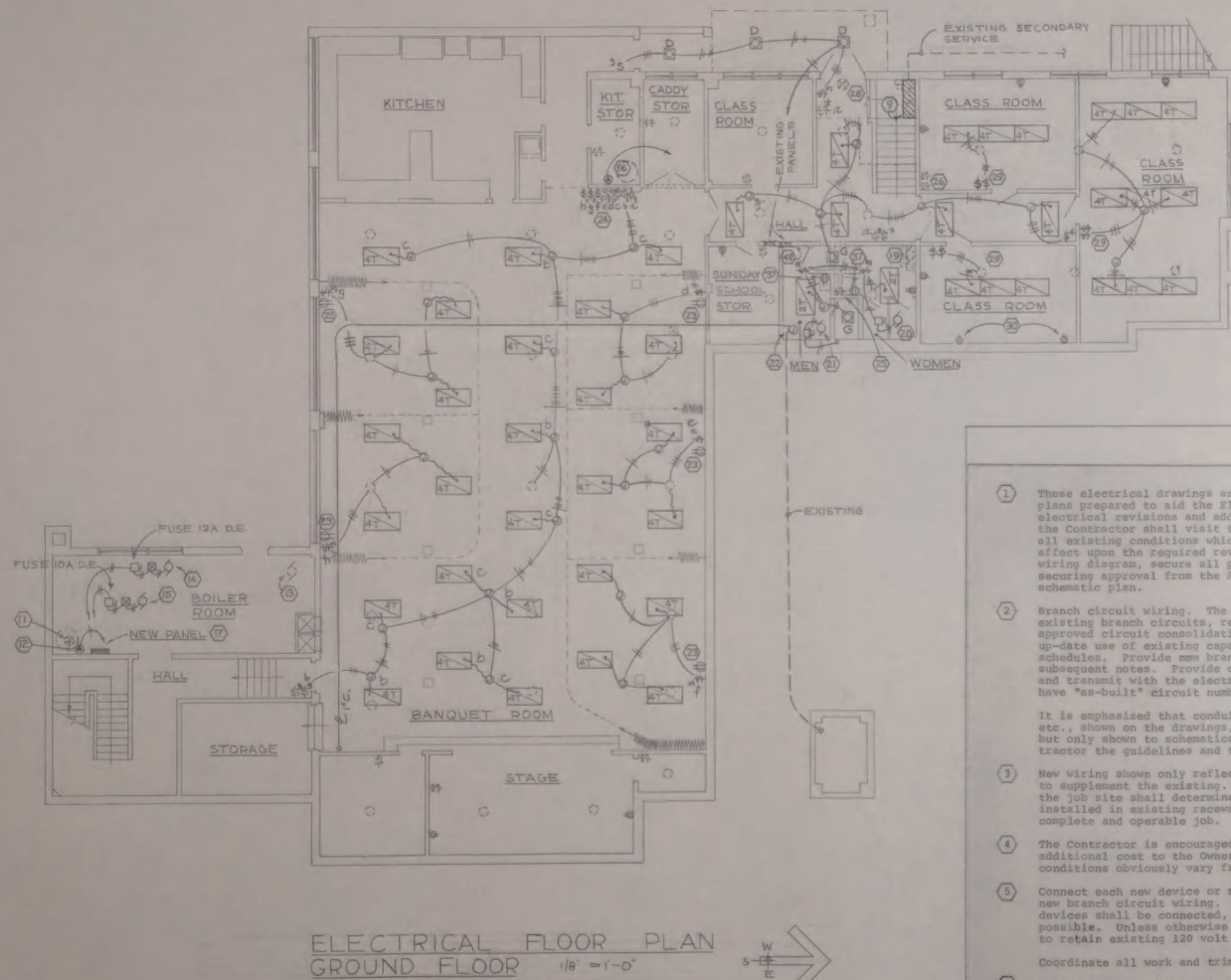




ELECTRICAL FLOOR PLAN
GROUND FLOOR 1/8" = 1'-0"

ELECTRICAL SYMBOLS

○	EXISTING CEILING OUTLET.	⊕	EXISTING DUPLEX RECEPTACLES OR EXISTING WALL OUTLETS FOR RESTORED RECEPTACLES.
○	CEILING OUTLET.	⊕	NEW DUPLEX RECEPTACLES 8" ABOVE COUNTER
⊕	WALL BRACKET FIXTURE.	⊕	EQUIPMENT CONNECT.
⊗	EXIT SIGN.	⊕	JUNCTION BOX
⊕	RECESSED INCANDESCENT FIXTURE	⊕	WALL HEATER WITH INTEGRAL THERMOSTAT
⊕	NEW OR RELOCATED SURFACE OR STEM MOUNTED FIXTURE.	⊕	MOTOR OUTLET.
⊕	NEW LAY-IN GRID FIXTURE FURNISHED COMPLETE AND INSTALLED BY CEILING CONTRACTOR. VERIFY.	⊕	DISCONNECT SWITCH.
⊕	SURFACE MOUNTED LIGHT TRACK. SEE NOTE	⊕	MAGNETIC STARTER.
⊕	OPTIONAL SECTIONS OF LIGHT TRACK. SEE NOTE.	○	CONDUIT UP
⊕	WALL SWITCH, SINGLE POLE.	•	CONDUIT DOWN
⊕	WALL SWITCH, TWO WAY.	W.P.	WEATHERPROOF
⊕	WALL SWITCH, THREE WAY.	N.I.C.	NOT IN CONTRACT.
⊕	WALL SWITCH, FOUR WAY.		

NOTE:
ELECTRICAL SYMBOLS SHOWN DASHED OR DOTTED ARE EXISTING, AND IN CERTAIN CASES REPRESENT A SOURCE FOR NEW WIRING.

ELECTRICAL PLAN NOTES

- These electrical drawings are not wiring diagrams, but schematic plans prepared to aid the Electrical Contractor in bidding the electrical revisions and additions shown. It is intended that the Contractor shall visit the job site prior to bidding, verify all existing conditions which will be affected by or will have affect upon the required revisions and additions, prepare a wiring diagram, secure all permits, and accomplish the work, securing approval from the Architect for deviations from the schematic plan.
- Branch circuit wiring. The Contractor shall trace the load on existing branch circuits, remove all unused wiring, make code approved circuit consolidations (where possible) to conserve and up-date use of existing capacity, and provide new updated panel schedules. Provide new branch circuit wiring as outlined in subsequent notes. Provide copies of resulting panel schedules and transmit with the electrical record drawing set, which shall have "as-built" circuit number assignments noted.
- It is emphasized that conduit, conductor, outlets, junction boxes, etc., shown on the drawings, are not the complete wiring system but only shown to schematically illustrate to the bidding Contractor the guidelines and the intent of the design.
- New wiring shown only reflects an amount of wiring in new raceway to supplement the existing. The Contractor's pre-bid visit to the job site shall determine the amount of wiring required to be installed in existing raceway (not shown) in order to provide a complete and operable job.
- The Contractor is encouraged to make practical changes (at no additional cost to the Owner) in conduit routing where existing conditions obviously vary from those assumed.
- Connect each new device or new item of equipment to existing or new branch circuit wiring. It is the general intent that new devices shall be connected, reusing existing circuits wherever possible. Unless otherwise shown, every attempt should be made to retain existing 120 volt receptacles in use.
- Coordinate all work and trim with carpet installers.
- Connect new branch circuit homeruns to nearest available branch circuit panel, and reuse existing spare overcurrent device. If spare protection does not exist, install new breaker in existing space. If existing space is not available, provide new circuit breaker interior in existing tub with sufficient breakers to accommodate the existing and new load, plus ten percent spare breakers. If sufficient tub does not exist, modify either the existing lugs or existing interior to permit code approved sub-feed of a new load center to be provided to match the load requirements. Check the resulting feeder load and modify existing feeders and feeder overcurrent protection to accommodate increased load exceeding the code approved maximum.
- Where it is judged to be more practical to replace an existing branch panel with a single larger panel, rather than subfeed a second panel, the Contractor shall have this option, provided this does not result in an increased cost to the Owner.
- The Contractor shall provide additional branch service panels to wire and connect lighting and power load which existing panels are not able to accept due to limited capacity. Every effort should be made to control branch circuit overcurrent protection by floor. The Contractor shall provide all wiring (min. #12 THW) necessary to provide a complete, operable, and safe electrical system.
- At each new recessed branch panel(s) stub a minimum of three 3/4" spare conduits into accessible space and cap for future use.
- The Contractor shall prepare a final and complete Distribution System Riser Diagram and install in framed wall mounting adjacent to main distribution panel. The Contractor shall transmit a copy of the Riser with the record drawing set to be submitted to the Architect at the completion of all work.
- Alternate Bid - New Electrical Service. Provide an alternate bid figure (additive) to remove the existing main service equipment located under the west stairwell, and provide a new 400 amp main distribution panel, 120/240 volt, single phase, 3 wire, complete with metering cabinet and feeder breakers to match existing (or resulting) feeders. Provide a total of six useful three pole breakers or spaces, including one 150A-3P spare. Provide metering facilities, terminations, and secondary service in accordance with the requirements of the serving Utility. Make all arrangements with the serving Utility.
- Existing ceiling outlet symbol represents an existing source for a power circuit and/or path into existing raceway for additional wiring. Generally requires box extension and/or appropriate cover plate at each outlet. Remove existing light fixtures as required and deliver to Owner's storage. Where an existing ceiling outlet is shown, but not involved with a new fixture or raceway connection, this represents an existing ceiling fixture to remain in use, and is shown only to provide clarity surrounding existing switch banks.
- Disconnect existing water heater which will be relocated.
- Connect new water heater, 1250 watt, 120 volt, to 20A-SP breaker.
- Disconnect existing vacuum pump.
- Connect new circulation pump, 1 HP, 240 volt, 1P to 20A-2P breaker.
- Connect new circulation pump, 3/4 HP, 240 volt, 1P, to 20A-2P breaker.
- Connect relocated water heater. Verify power requirements and connect to nearest available spare circuit breaker.

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DATE 3-14-77	PROJECT 76241	SHEET
RENOVATIONS PEACE LUTHERAN CHURCH ASTORIA, OREGON		